

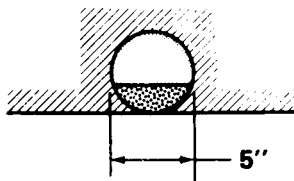
## § 399.209

## 49 CFR Ch. III (10–1–01 Edition)

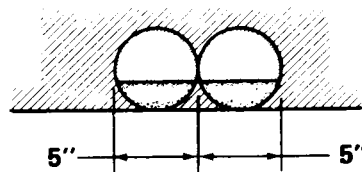
(i) *Single foot accommodation.* The disc shall fit on a tread rung, or in a step recess, with no exterior overhang.

(ii) *Two-foot accommodation.* Two discs shall fit on a tread rung, or in a step recess, with no exterior overhang.

### Single - foot Accommodation



### Two - foot Accommodation



**Illustration III**  
**Foot Accommodation**

NOTE: The 127 millimeter (5 inch) disc is only intended to test for a minimum depth and width requirement. The step need not retain the disc at rest.

(5) *Step strength.* Each step must withstand a vertical static load of at least 204 kilograms (450 pounds) uniformly distributed over any 127 millimeter (5 inch) increment of step width.

(6) *Handhold location.* A handhold must be located within the reach of any person entering or exiting the vehicle.

(7) *Exterior mounting specifications for handholds.* Each handhold, affixed to the exterior of the vehicle, shall have at least 38 millimeters (1.5 inches) clearance between the handhold and the surface to which it is mounted for the distance between its mounting points.

(8) *Handhold size and shape.* Each handhold shall be free of sharp edges (minimum 1 millimeter [0.04 inch] radius) and have an effective peripheral grip length that permits full grasp by any person.

(9) *Handhold strength.* Each handhold shall withstand a horizontal static load of at least 114 kilograms (250 pounds) uniformly distributed over the area of a hand print and applied away from the mounting surface.

(10) *Deck plates.* Deck plates shall be on the rear of a truck-tractor as nec-

essary to couple or uncouple air and/or electrical connections.

(11) *Deck plate strength.* Each deck plate shall be capable of withstanding the vertical static load of at least 205 kilograms (450 pounds) uniformly distributed over a 127 millimeter (5 inch) diameter disc.

## § 399.209 Test procedures.

(a) The force exerted on a handhold will be measured using a handheld spring scale or force transducer which can be attached to the vehicle and is free to rotate into alignment with a person's hand position.

(b) Hand grasp will be evaluated by observing the handgrip of any individual who conforms with the definition of "person" appearing in § 399.205 of this subpart.

## § 399.211 Maintenance.

All steps, handholds, and/or deck plates required by this subpart shall be adequately maintained to serve their intended function.

### APPENDIX A TO SUBCHAPTER B [RESERVED]

### APPENDIX B TO SUBCHAPTER B—SPECIAL AGENTS

CAUTIONARY NOTE: This appendix relates only to Federal authority to enforce the regulations in this subchapter. In its present